

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

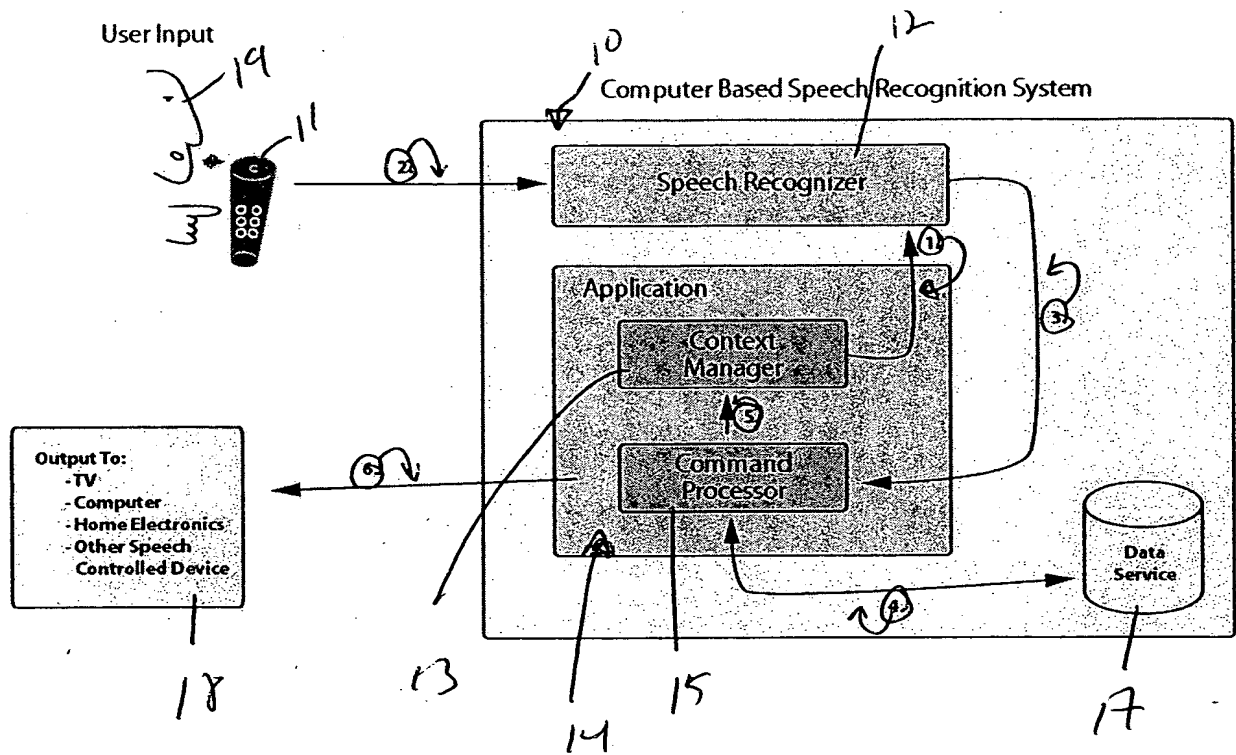


Fig. 1

Top-Level Grammar

2/20

Utterance	Attribute	Linked Grammar
"Set"	Chained Command	Set Grammar
"Find"	Chained Command	Find Grammar
etc.	etc.	etc.
etc.	etc.	etc.

22 "Set" Grammar

Utterance	Attribute	Linked Grammar
"Options"	Chained Command	Options Grammar
"Preferences"	Chained Command	Preferences Grammar
etc.	etc.	etc.
etc.	etc.	etc.

24 "Options" Grammar

Utterance	Attribute	Linked Grammar
"Favorite"	Chained Command	Favorite Grammar
"Blocks"	Chained Command	Blocks Grammar
etc.	etc.	etc.
etc.	etc.	etc.

26 "Favorites" Grammar

Utterance	Attribute	Linked Grammar
"Channel 2"	Channel Type	None
"Category"	Chained Command	Category Grammar
etc.	etc.	etc.
etc.	etc.	etc.

28 "Category" Grammar

Utterance	Attribute	Linked Grammar
"Sports"	Category Type	None
"Movies"	Category Type	None
etc.	etc.	etc.
etc.	etc.	etc.

Fig. 2

## Program Information Grammar

Utterance	Attribute	Linked Grammar
"Robert Redford"	Actor Type	Robert Redford
	Chained Command	Programs Grammar
etc.	etc.	etc.
etc.	etc.	

## 32 Robert Redford Programs Grammar

Utterance	Attribute	Linked Grammar
"Butch Cassidy"	Program Type	None
"Three Days of The Condor"	Program Type	None
etc.	etc.	etc.
etc.		etc.

Fig. 3

## Program Information Grammar - 30

Utterance	Attribute	Linked Grammar
"Robert Redford"	ActorType	None
etc.	etc.	etc.

Fig. 4

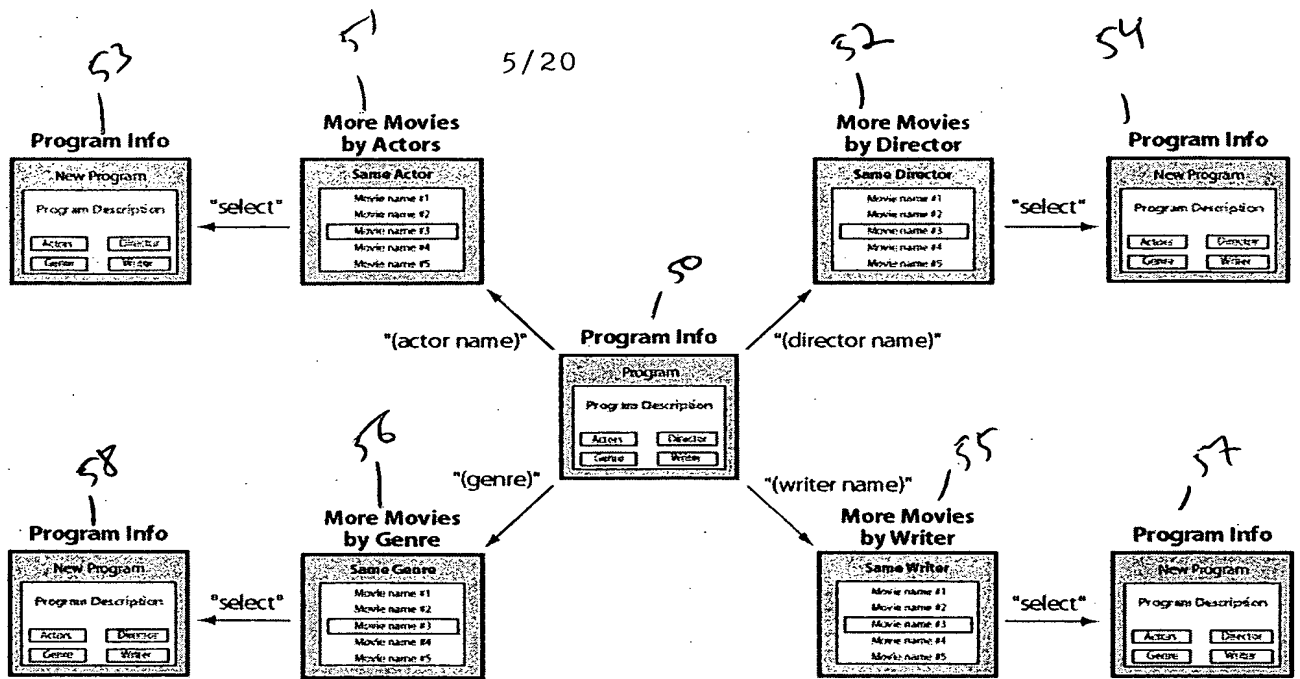


Fig. 5

Fig. 6

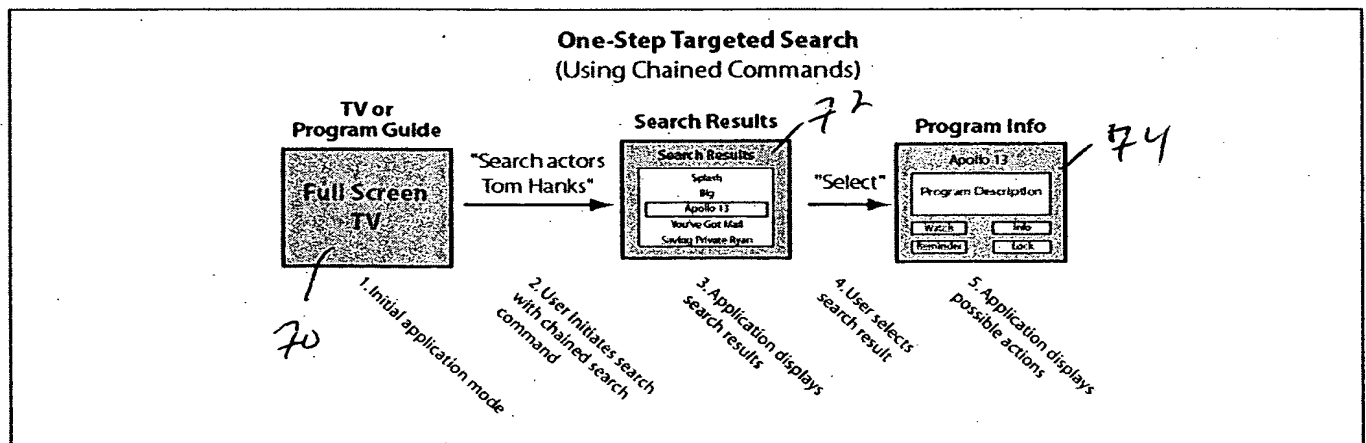
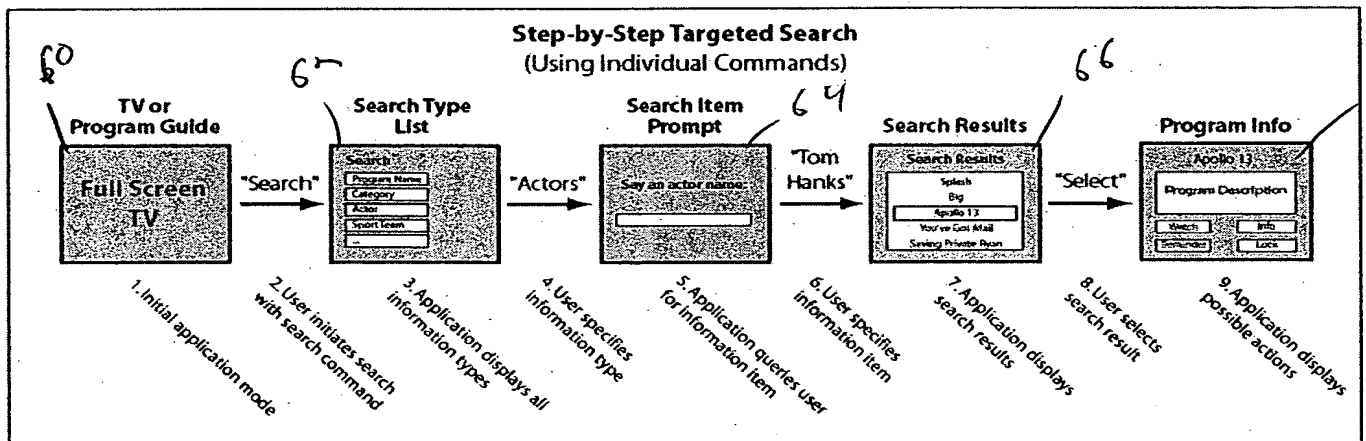


Fig. 7

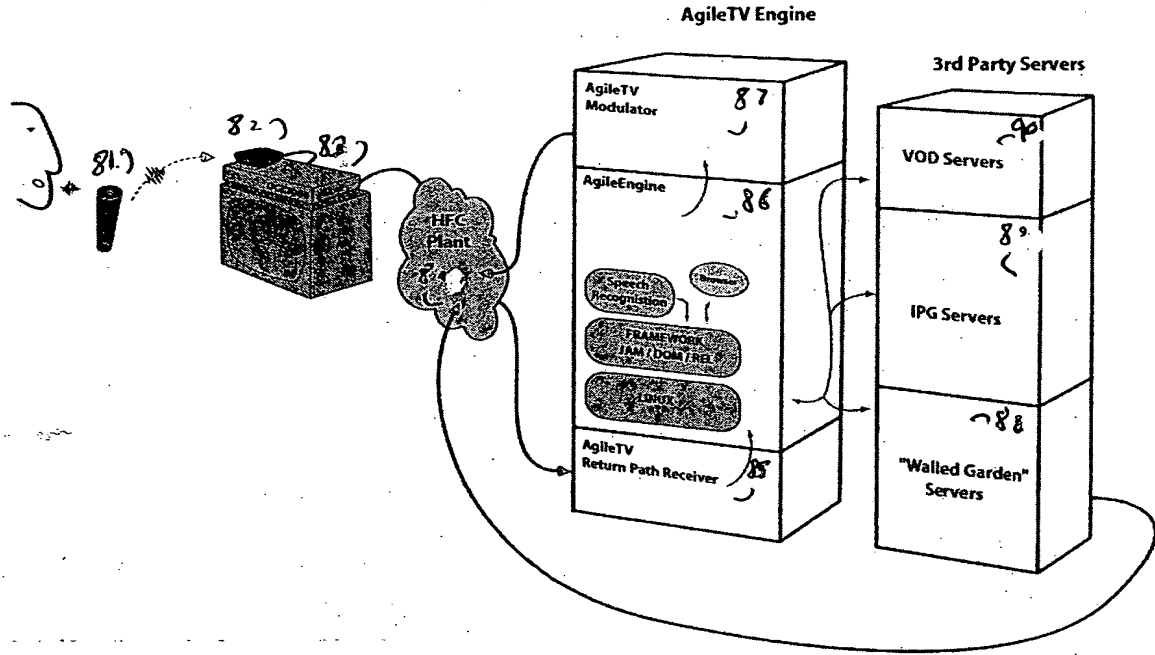


Fig. 8

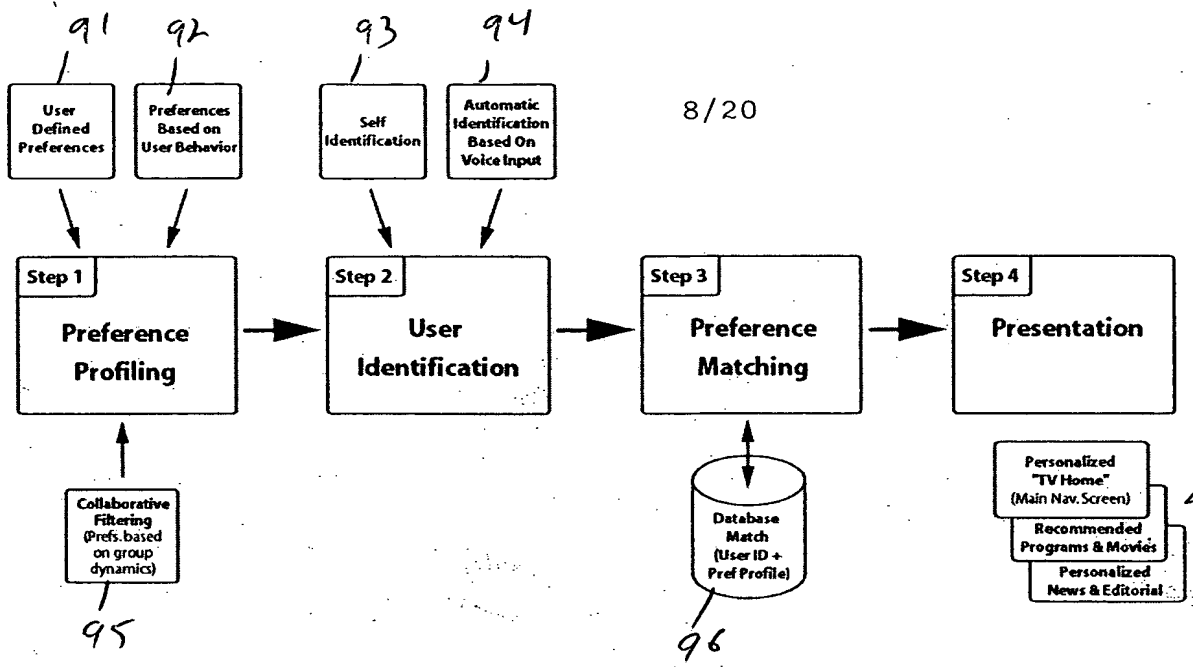


Fig 9

9/20

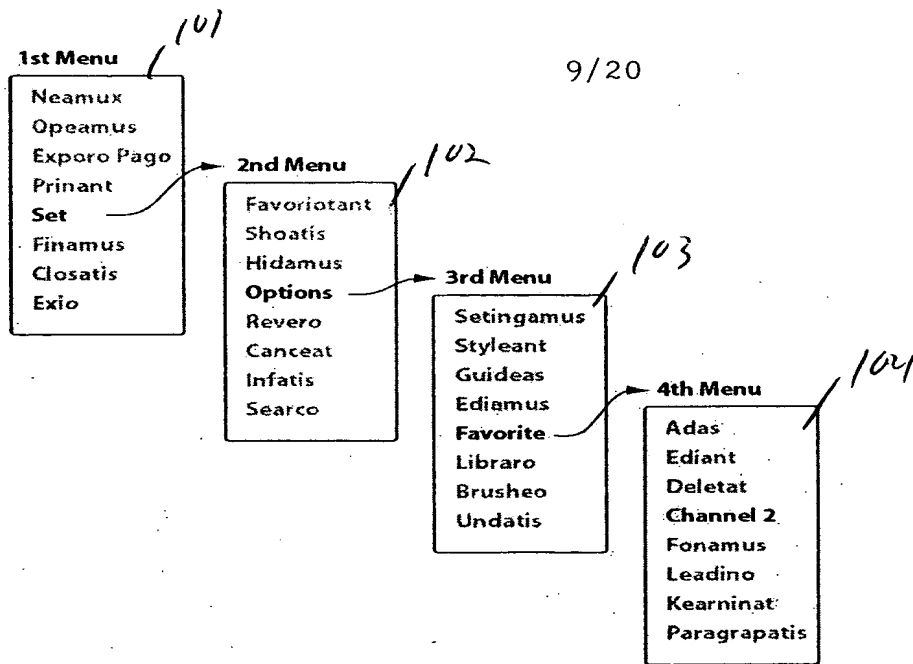


Fig 10 (PRIOR ART)

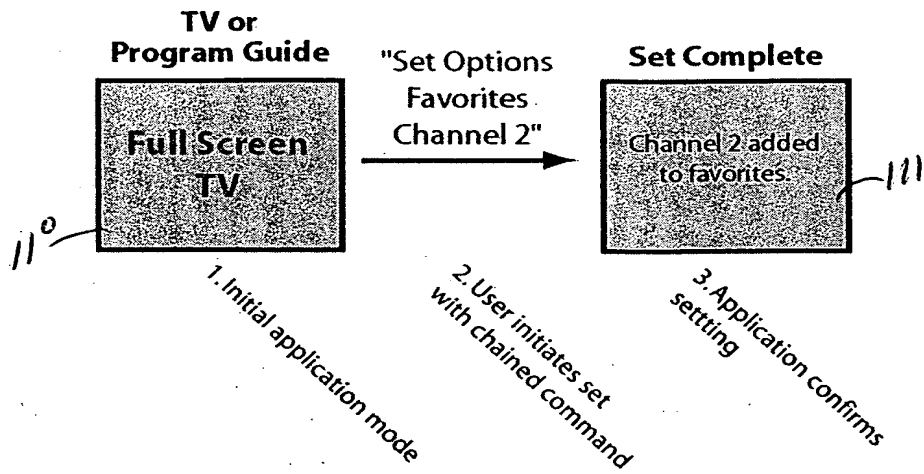


Fig 11

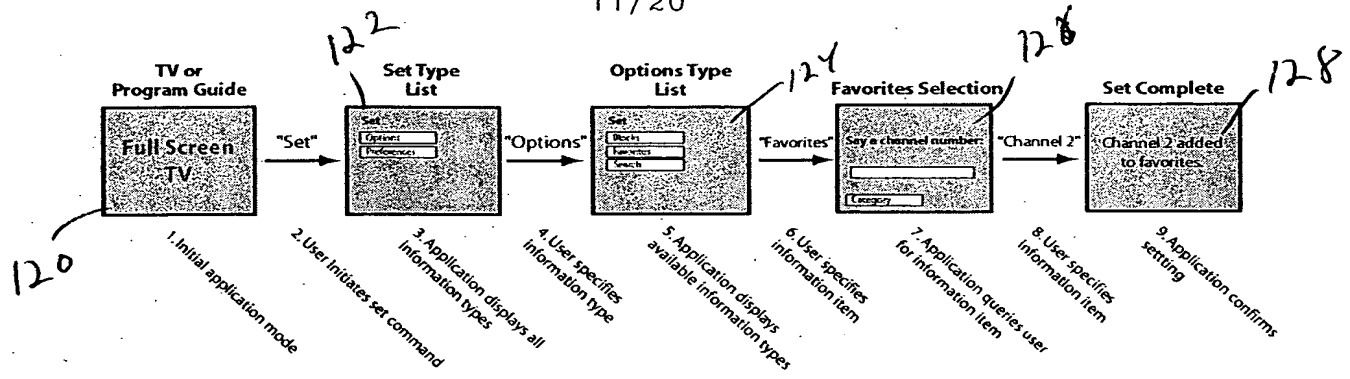
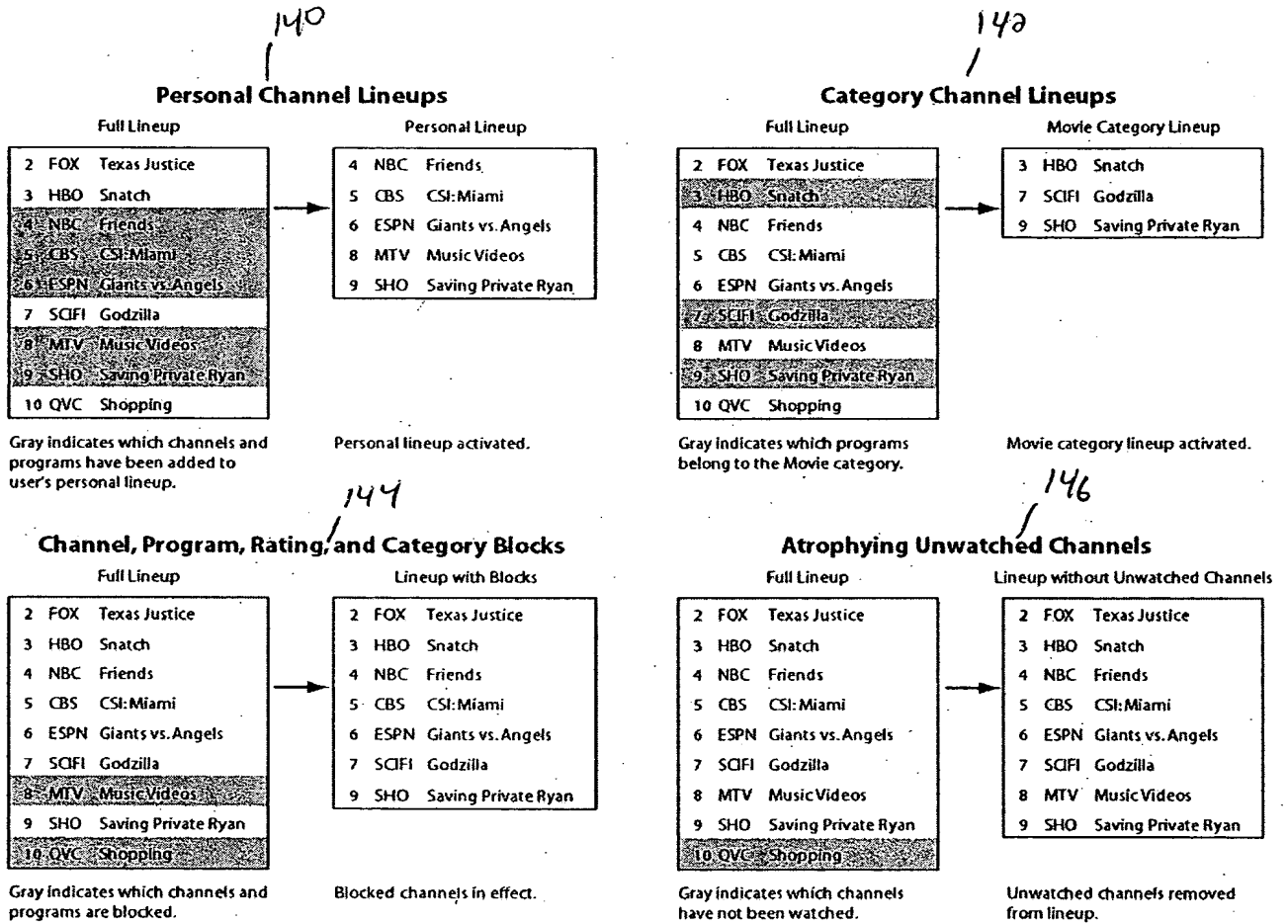


Fig. 12

12/20

<b>Channel 12</b>
<b>Find   Sports   Team   Bengals</b>

Fig 13



F. J. 14

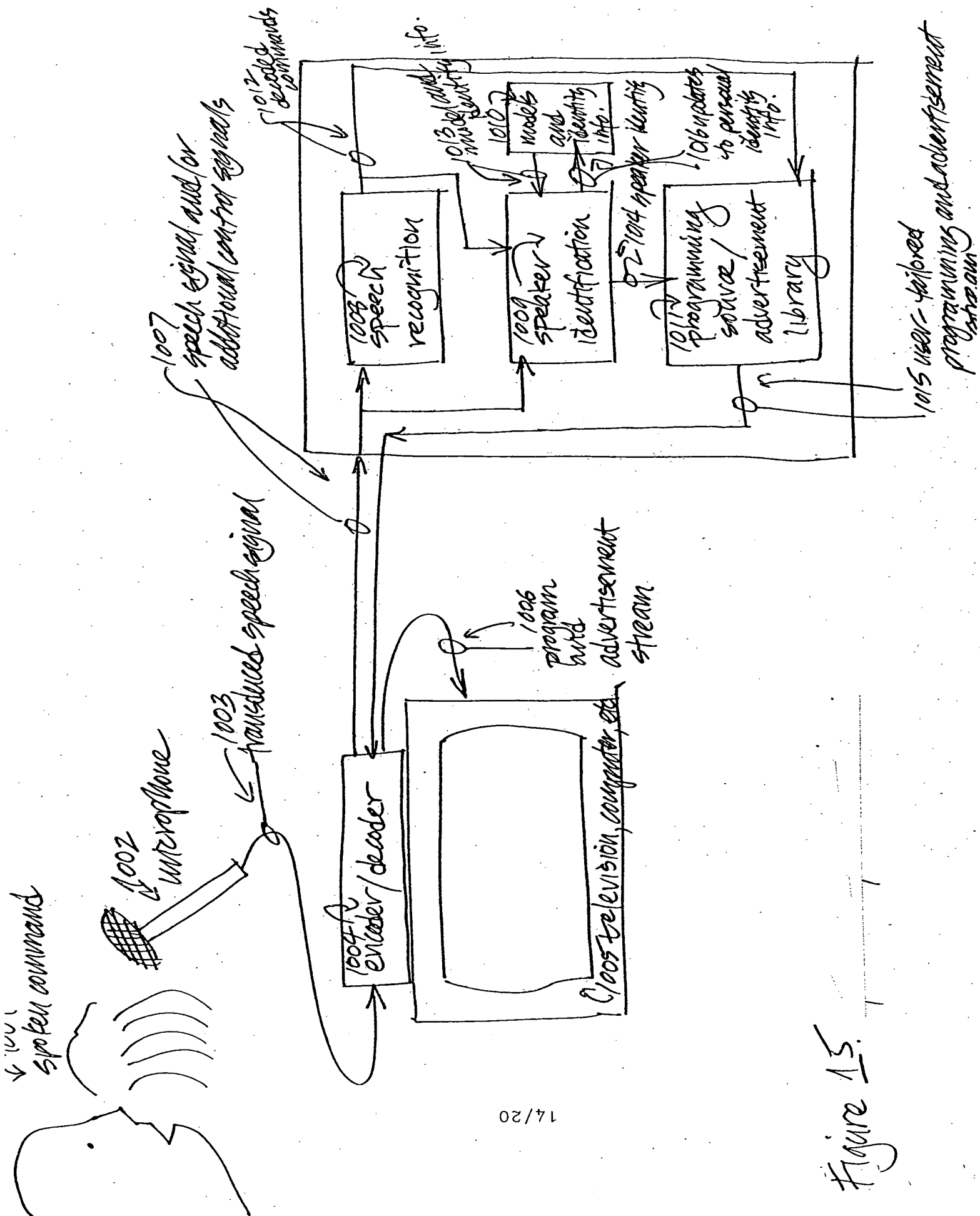


Figure 15.

2006 pairing of speaker id model with  
personal identity information

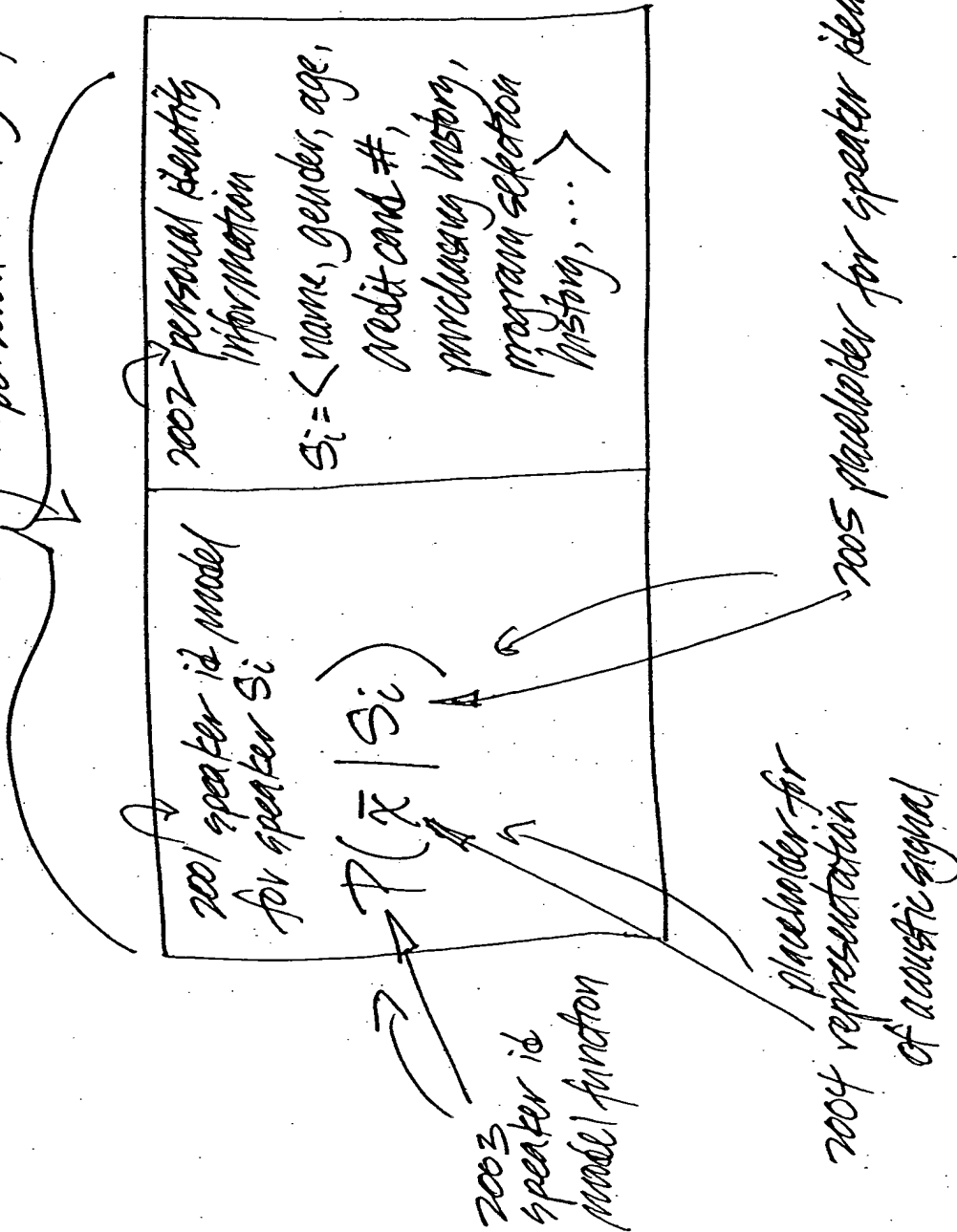


Figure 16.

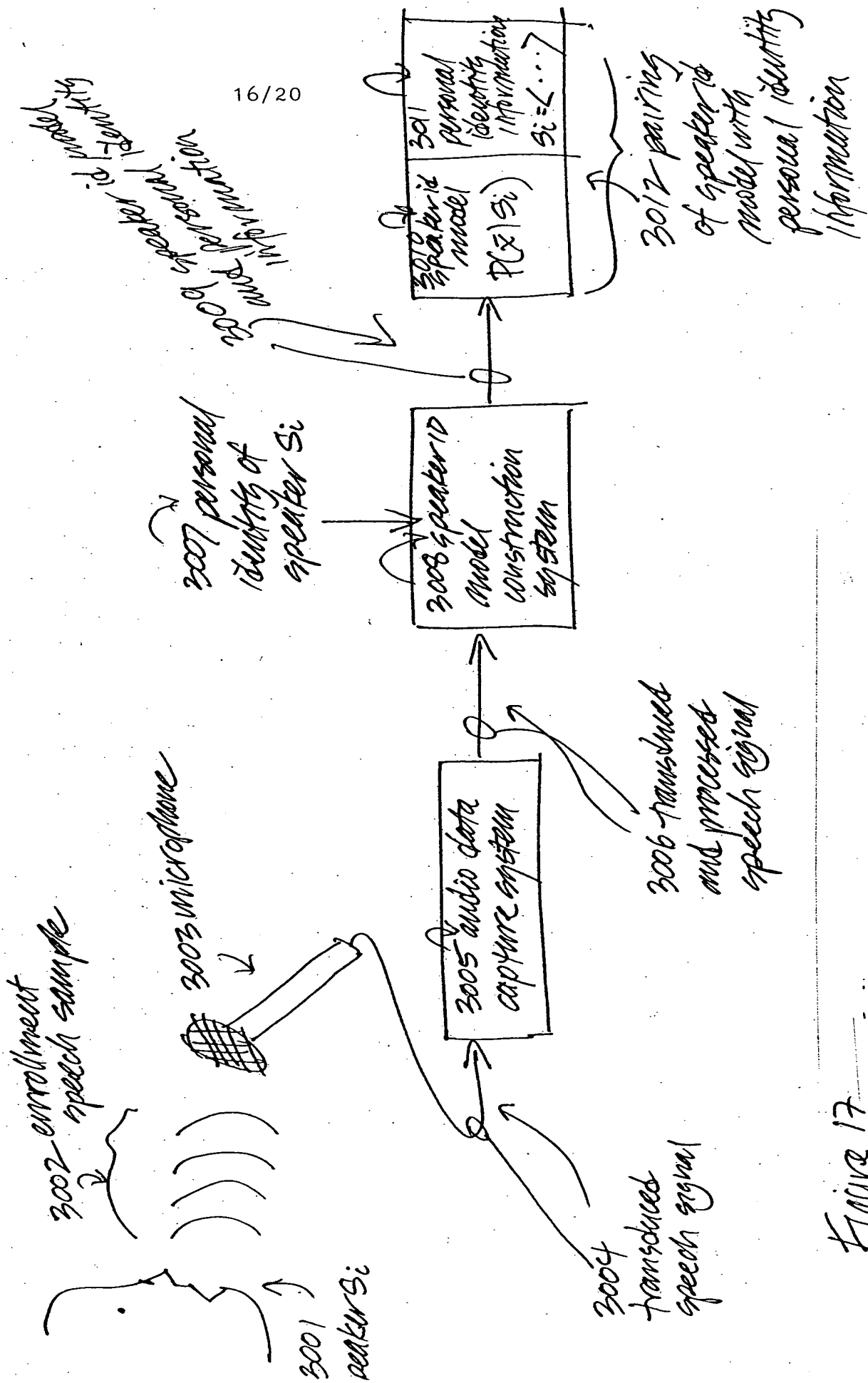
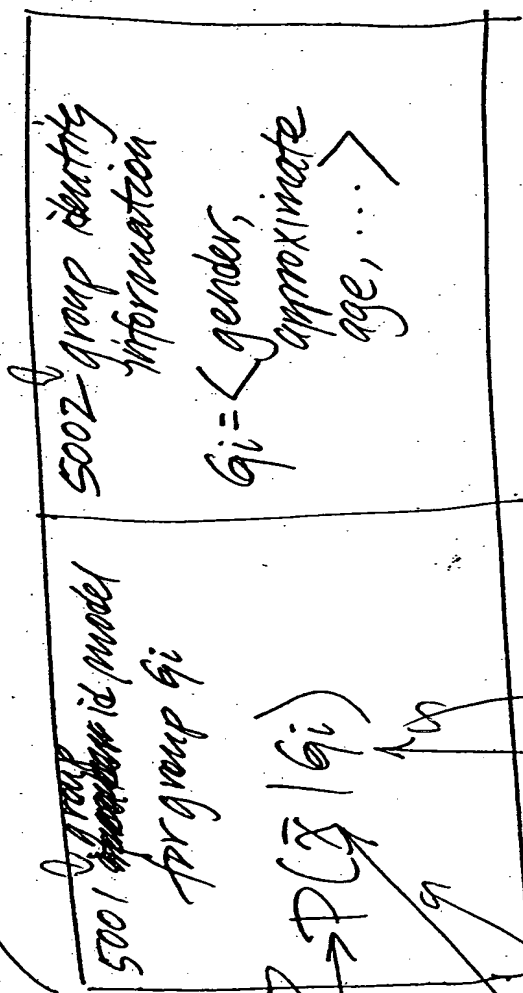


Figure 17



5006 pairing of group id model  
with group identity information



5003 group id  
model function

5004 placeholder for  
representation of  
acoustic signal

5005 placeholder for group identity

Figure 19

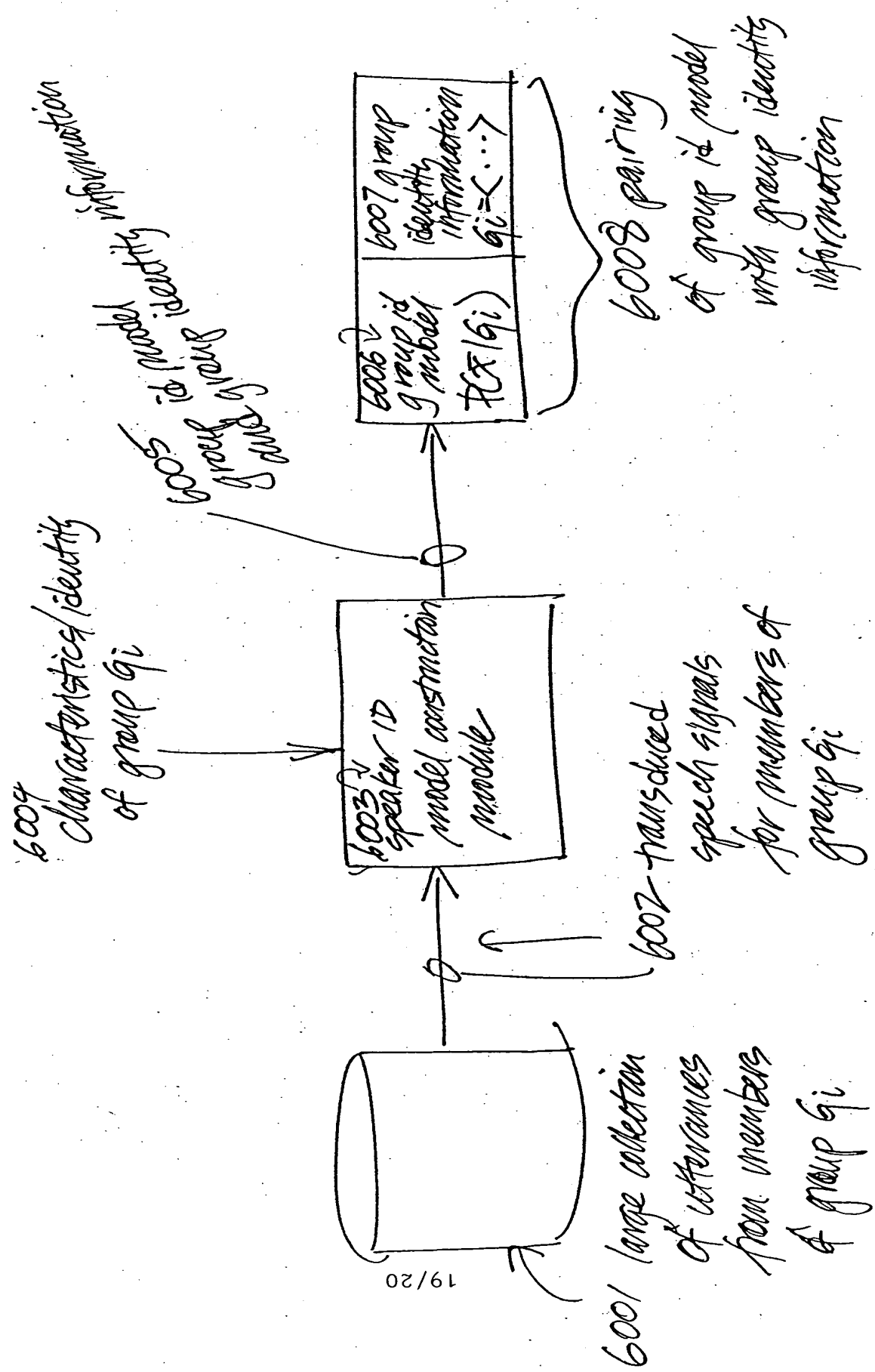


Figure 20

